

CURRICULUM VITAE

NAME: Robert David Burk

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EDUCATION:

1969 - 1971 George Washington University, Washington, D.C.
1971 - 1972 McGill University, Montreal, Canada
1972 - 1976 George Washington University, School of Medicine
1976 Degree of Doctor of Medicine (M.D.)
2004 - Mailman School of Public Health, Master's Program in Biostatistics,
Columbia University, NY, NY.

POST-GRADUATE TRAINING:

1976 - 1977 Surgical Internship, University of California, San Francisco, California
1978 - 1980 Pediatric Residency, University of California, San Francisco, California
1980 - 1983 Genetics Fellowship, The Johns Hopkins University School of Medicine,
Baltimore, Maryland
1983 - 1984 Senior Research Fellow, Molecular Hepatology, Albert Einstein College
of Medicine (EINSTEIN), Bronx, New York

PROFESSIONAL EMPLOYMENT AND HOSPITAL APPOINTMENTS:

1973 - 1974 Biologist, Molecular Biology Section, Lab Biochemical Genetics
(Lab Chief: Dr. Marshall Nirenberg), National Heart and Lung Institute,
NIH, Bethesda, Maryland
1974 - 1975 Biological Lab Technician, Section on Somatic Cell Genetics,
Lab Biochemical Genetics, NHLI, NIH, Bethesda, Maryland
(Section Head: Dr. John Minna)
1975 - 1976 Junior Medical Fellow, Section of Immunology,

(Winter) Department of Development Therapeutics, (Chief: Dr. Emil Freireich)
University of Texas, M. D. Anderson Hospital & Tumor Institute, Houston,
Texas

1977 Emergency Room Physician, Leland Hospital, Riverdale, Maryland

1978 District Physician, Southern Sinai

1980 - 1983 Pediatric Consultant, Franklin Square Hospital, Baltimore, Maryland

1984 - 1989 Assistant Professor of Pediatrics, Albert Einstein College of Medicine

1989 - 1996 Assistant Professor of Obstetrics & Gynecology, EINSTEIN

1989 - 1994 Associate Professor of Pediatrics, EINSTEIN

1994 - Present Professor of Pediatrics, EINSTEIN

1987 - 1992 Assistant Professor of Microbiology and Immunology, EINSTEIN

1992 - 1994 Associate Professor of Microbiology and Immunology, EINSTEIN

1994 - Present Professor of Microbiology & Immunology, EINSTEIN

1996 - Present Professor of Obstetrics, Gynecology & Women's Health, EINSTEIN

1996 - Present Professor of Epidemiology & Population Health, EINSTEIN

2001 Tenure, EINSTEIN, Yeshiva University

1984 - Present Attending Physician, Montefiore Medical Center, Einstein Division

1984 - Present Attending Physician, Hospital of the Albert Einstein College of Medicine

1999 - 2005 Director, Cancer Genetics Program, White Plains Hospital Center, NY

2001 - 2004 Director, Cancer Genetics Program, St. Vincent's Breast Center, NY, NY

2002 - 2004 Co-Director, Division of Pediatric Genetics, EINSTEIN

2006 - Present Vice-Chair for Translational Research, Department of Pediatrics,
EINSTEIN

MEDICAL CERTIFICATION AND LICENSE:

1977 **Diplomate of the National Board of Medical Examiners**

1977 Maryland State Medical License #D-20779 (Inactive)

1978 California State Medical License #G38496 (Inactive)

1983 New York State Medical License #154322

1983 **Diplomate of the American Board of Pediatrics #29527**

1984 **Diplomate of the American Board of Medical Genetics as a Clinical Geneticist #1612**

1990 Pennsylvania State Medical License #041779-L (Inactive)

PROFESSIONAL SOCIETY MEMBERSHIP:

1982 American Association for the Advancement of Science

1983 American Society of Human Genetics

1986 American Federation for Clinical Research

1987 American Society for Microbiology

1988 Society for Pediatric Research

2015 International Papillomavirus Society, elected Secretary, member
Executive Committee and Board.

HONORS AND AWARDS:

- 1973 Medical Student Research Scholarship, George Washington University, School of Medicine
- 1975 William Beaumont Medical Society, George Washington University, School of Medicine
- 1975 First Prize: William Beaumont Medical Society Annual Student Research Day, George Washington University, School of Medicine
- 1975 Second Award, Mead Johnson Excellence of Research Competition for paper and presentation at the 1975 SAMA-UTMB Forum, Galveston, Texas
- 1976 Honorable Mention Cash Award: The Prevention of Blindness Society of Metropolitan Washington Essay Competition.
- 1976 Walter Freeman Award, George Washington University, School of Medicine
- 1984 - Investigator, Liver Research Center, EINSTEIN
- 1986 - Investigator, Cancer Research Center, EINSTEIN
- 1984 - 1987 NIH Clinical Investigator Award KO8 CA00983
- 1987 First Prize, Henry L. Moses Award for Outstanding Clinical Research, Montefiore Hospital
- 1987 - 1990 American Cancer Society Junior Faculty Research Award #JFRA-172
- 1987 - 1990 Sinsheimer Foundation Research Award, New York City, NY
- 1989 Second Prize, Henry L. Moses Award for Outstanding Basic Research, Montefiore Hospital
- 1991 - 1996 American Cancer Society Faculty Research Award #FRA-394
- 1994 - 1996 Elliott Osserman Award, Israel Cancer Research Fund (ICRF)
- 1995 - 2010 Steering Committee of the Cancer Research Center, EINSTEIN
- 1997 - 2002 Executive Committee of the Cancer Research Center, EINSTEIN
- 2000 Outstanding Service Award, American Cancer Society
- 2003 CJ Valley Memorial Lectureship Award, University of Massachusetts Medical School, Worcester, Massachusetts
- 2013 Albert Einstein College of Medicine, Honorary Alumnus Award
- 2013 Saul R. Korey Award in Translational Science & Medicine, Albert Einstein College of Medicine
- 2015 Elected fellow of the American Association for the Advancement of Science (AAAS)

OTHER PROFESSIONAL ACTIVITIES:

1. Reviewer: New England Journal of Medicine, Hepatology, Journal of Virology, Obstetrics and Gynecology, Journal of the National Cancer Institute, Journal of Infectious Diseases, Genomics, The American Journal of Pathology, Journal of Acquired Immune Deficiency Syndromes, Cancer Research, Journal of the American Medical Association, Nature
2. Member, NIH-NHLI special Review Board RFA 86-HL-10-B, "Prevalence and Consequences of Hepatitis Delta Infection in Hemophiliacs", August 4 and 5, 1986.

3. Member, NIH-NIAID special Review Board RFA 89-AI-02, "Pathogenesis and Natural History of Human Papilloma Viruses", November 14, 1989.
4. Member, NIH-NIAID special Review Board RFA 90-AI-03, "Sexually Transmitted Disease Cooperative Research Centers", March 10-13, 1991.
5. Member, NIH-NHLI and NIH-NIDDKD program project site visits, April 1991.
6. Member, International Committee on Nomenclature of Papillomaviruses, August 1991-.
7. Special Reviewer, Epidemiology and Disease Control Study Section-2, 2/92 & 6/92.
8. Member, NIH working group on HPV, 5/92-6/97.
9. Member, NIH-NIAID Special Review Committee, RFA AI-92-09, "Research on Molecular Immunology of Sexually Transmitted Diseases", March 3-5, 1993.
10. Special Reviewer, Microbiology and Infectious Diseases Research Committee, 6/3/93
11. Member, ACS Personnel for Research C Scientific Advisory Committee, 1/94 - 12/96
12. Associate Editor, PAPILOMAVIRUS Report, 1/97 – 1/2005.
13. Member, Scientific Review Panel, Israel Cancer Research Fund, 94 -96
14. Member, NIH-NCI Special Review Committee, RFA CA95-18, "Cancer Prevention Research Units", March 26-27, 1996.
15. Vice-Chairman, American Cancer Society Peer Review Committee on Molecular Genetics and Oncogenes 1/1/97 - 12/31/97.
16. Chairman, American Cancer Society Peer Review Committee on Molecular Genetics and Oncogenes 1/1/98 - 12/31/99.
17. Member, NIH-NIAID Special Review Committee, RFA-NIAID-97-03, "Adolescents and Sexually Transmitted Diseases Cooperative Research Center (STD CRC)", April 23-24, 1998.
18. Member, Advisory Board, STDGEN, sexually transmitted disease genetic database, NIAID, NIH, 1998 – 2003.
19. Consultant, Medical Devices Advisory Committee and to the Center for Devices and Radiological Health, Food and Drug Administration, 9/13/98 - .
20. Member, NIH-NIAID Special Emphasis Panel, RFA-NIAID-DMID-98-007, "Sexually Transmitted Diseases Cooperative Research Center (STD CRC)", March 3-5, 1999.
21. Member, Review Panel NCI RFA CA98-018, "Interdisciplinary studies in the genetic epidemiology of cancer", March 26, 1999.
22. Member, site visit team, NCI intramural laboratory review, July 20 – 22, 1999.
23. Editorial Board, Diabetes Technology & Therapeutics, 1999 – current.
24. Member, site visit team, NCI-E, GRB-1, Feb. 21 – 23, 2000.
25. Presenter and Panel Member, Scientific evidence on condom effectiveness and STD prevention, June 12 – 14, 2000, Herndon, VA (sponsored by NIAID, NCI, NICHHD, CDC, FDA, USAID).
26. Co-Chair, Session on Viral Host Interactions, 18th International Papillomavirus Meeting, Barcelona, Spain, July 23 – 28, 2000.
27. Founding Board Member, Diabetes Technology Society, 2001 – current.
28. Member, NCI Special Emphasis Panel Review Group, ZCA1 SRRB-Q (01), Cancer Epidemiology and Prevention Research, July 16 – 17, 2002; July 29 - 30, 2003.
29. Editorial Board, Journal of Diabetes Science and Technology, 2003 – current.
30. Temporary Member, NCI Initial Review Group, Subcommittee F, Nov. 12 – 13, 2003.
31. Consultant, NCI Cancer Center site visit team, May 10-12, 2005.
32. Reviewer, Cancer Etiology Cluster Review, NCI, Bethesda, MD, February 8, 2006.

33. Reviewer, Cancer Biomarkers Study Section, CSR, NIH, June 21-23, 2006.
34. Reviewer, Peer Reviewed Medical Research Program Kidney Cancer/Polycystic Kidney Disease review panel (DOD), Chantilly, VA, July 13-14, 2006.
35. Scientific Committee & Chair, Session on Epidemiology: HPV infection and risk of genital disease II, 23rd International Papillomavirus Meeting, Prague, Czech Republic, September 1-7, 2006.
36. Invited Moderator, Databases and Diabetes, 6th Annual Diabetes Technology Meeting, Atlanta, GA, November 2-4, 2006.
37. Member, site visit team, NCI intramural laboratory review, June 4-6, 2007.
38. Member, NCI Special Emphasis Panel Review Group, ZCA1 GRB-P (01), Discovery and Development, June 7, 2007.
39. Member, Mt. Sinai Adolescent Health Center's Evaluation and Research Expert Group. New York, NY, June 21 – 22, 2007.
40. Member, NIH ZRG1 HOP-T (02) M, Epidemiology and Genetics of Cancer, Special Emphasis Review Panel, May 16, 2008.
41. Member, NCI Special Emphasis Panel Review Group, ZCA1 GRB-P (01), Discovery and Development, June 4 - 5, 2008.
42. Advisory Panel Member, American Museum of Natural History's NIH-SEPA project, "Hot Topics in Health Issues", September, 2008 – current (PI: Monique Scott, PhD).
43. Invited Moderator, Measuring the Effects of Diet and Exercise on Diabetes, 8th Annual Diabetes Technology Meeting, Bethesda, MD, November 13-15, 2008.
44. Chair, NIAID Program Project Review ZAI1 EWS-M (M1), December 15, 2008.
45. Scientific Committee & Chair, Epidemiology of HPV infection. 25th International Papillomavirus Meeting, Malmo, Sweden, May 8 – 14, 2009.
46. Invited member, International Committee on Taxonomy of Viruses (ICTV) Papillomaviridae Study Group, January 2009 -.
47. Member, site visit team, NCI intramural laboratory review, September 23-24, 2009.
48. Member, International Scientific Committee and Session Chair; 26th International Papillomavirus Meeting, Montreal, Canada, July 4 – 8, 2010.
49. Member, International Scientific Committee, 27th International Papillomavirus Meeting, Berlin, Germany September 17-22, 2011.
50. Member, NIH review committee ZRG1 PSE M(02) Oncology Members SEP, May 13, 2011.
51. Invited Moderator, "Mucosal Immunology and the Microbiome", Maternal Child Health Breakthroughs in HPV, HIV and the Microbiome, 30th Annual Fall Symposium, Department of Obstetrics & Gynecology and Women's Health, Montefiore Medical Center and the Albert Einstein College of Medicine. New York, NY, Nov. 10-11, 2011.
52. Chair, Papillomaviridae Study Group, International Committee on Taxonomy of Viruses (ICTV), January 2012 – December 2014.
53. Editorial Board, PLoS ONE, October 15, 2012 – current.
54. Moderator, "Contemporary Screening of Female Cancer and Genetic Diseases", Autumn in New York 2012, The 31st Annual Fall Symposium. Department of Obstetrics & Gynecology and Women's Health, Montefiore Medical Center and the Albert Einstein College of Medicine. The New York Academy of Medicine. NY, NY, Nov. 15-16, 2012.
55. Member, International Scientific Committee, 28th International Papillomavirus Meeting, San Juan, Puerto Rico, December 3-7, 2012.

56. Chair, Plenary Session, 28th International Papillomavirus Meeting, San Juan, Puerto Rico, December 3-7, 2012.
57. Temporary Member, NIH IRAP review committee, February 21-22, 2013.
58. Member, RFA-CA-12-023, SBIR Phase IIB Bridge Awards to Accelerate the Development of Cancer Therapeutics, Imaging Technologies, Interventional Devices, Diagnostics, and Prognostics Toward Commercialization (R44), Special Emphasis Teleconference Review Panel, June 18, 2013.
59. Invited member, “Human Microbiome Science: Vision for the Future”, July 24-26, 2013, Bethesda North Marriott, Bethesda, MD.
60. Invited Participant, Dagstuhl Perspectives Workshop: Information and Communication Technology Strategies for Bridging Biology and Precision Medicine, Wadern, Germany, August 18 – 23, 2013.
61. Moderator, mHealth Wireless Technology Session, Diabetes Technology Society Meeting, October 31 – November 2, 2013, San Francisco, CA.
62. Member, International Scientific Committee, 29th International Papillomavirus Conference and Clinical & Public Health Workshops, HPV 2014 Seattle.
63. Member, TCGA cervical squamous cell carcinoma and endocervical adenocarcinoma (CESC) Analysis Working Group (AWG), NCI, October 2013 – current.
64. Voting Panel Member, Medical Devices Advisory Committee of the Microbiology Medical Devices Panel, FDA review of “Cobas HPV Test Sponsored by Roche Molecular Systems, Inc.”, College Park, MD, March 12, 2014.
65. Member, NIH ZAI1 MFH-M (M1), “Sexually Transmitted Infections Cooperative Research Centers (STI CRC) (U19)”, Special Emphasis Review Panel, March 17-18, 2014, Rockville, MD.
66. Chair, CSR NIH Special Emphasis Panel, ZRG1 IDM-V 55 R, PAR-13-190: Detection of Pathogen Induced Cancer, May 2, 2014.
67. Asst. Chair, NCI Cooperative Agreement (U54) Review Meeting “Sub-Saharan African Collaborative HIV and Cancer Consortia (54), Special Emphasis Panel ZCA1 RPRB-0 (M2), May 8 – 9, 2014. Rockville, MD.
68. Member, NIH ZCA1 SRB-2, “NCI Special Emphasis Panel”, July 9-10, 2014, Rockville, MD.
69. Member, Diabetes Technology Society, “Surveillance Program for Cleared Blood Glucose Monitors”, international committee including FDA, CDC, JDF, ADA and other stakeholders in diabetes care. 2014 – current.
70. Chair, CSR NIH Special Emphasis Panel, ZRG1 IDM-V 55, PAR-13-190: “Detection of Pathogen Induced Cancer”, October 28, 2014, CSR Bethesda, MD.
71. Chair (reappointed), Papillomaviridae Study Group, International Committee on Taxonomy of Viruses (ICTV), January 2015 – December 2017.
72. Member, Special Emphasis Panel, ZDE1 SM (13), “Clinical Trial Planning and Implementation”, March 17, 2015.
73. Member, International Scientific Committee, 30th International Papillomavirus Conference & Clinical and Public health Workshops (HPV 2015), September 17-21, 2015 in Lisbon, Portugal. Organized and Speaker, Workshop on Papillomavirus Nomenclature and Taxonomy, 20 September 2015.

74. Invited participant, NCI Center for Global Health, PAHO and the Ministry of Health in Brazil: HPV-related disease in HIV-infected individuals. Planning committee for scientific research priorities. 21 May 201, Sao Paulo, Brazil.
75. Member, ZCA1 SRB-L (O1): NCI Omnibus R03 & R21 SEP-6 Review Committee, May 9 – 10, 2015, Bethesda, MD.
76. Member, Editorial Board *Papillomavirus Research (PVR) Journal*. August 2015 - .
77. Member, Special Emphasis Panel, “ZRG1 VH-N 02 M: Angiogenesis, Vascular Inflammation and Dysfunction”, August 6, 2015.
78. Member, Special Emphasis Panel, “ZAI1-JKB-M-J3: NIAID Clinical Trial Implementation”, October 20, 2015.
79. Invited participant, “Meeting of the study group chairs and executive committee of the International Committee on Taxonomy of Viruses”, 1-2 February 2016, Wellcome Trust Genome Campus, Hinxton, UK.
80. Invited speaker, Department of Pathology, Cambridge, University, “HPV updates”. Invited by John Dorrbar, February 3, 2016; Cambridge, England.
81. Member, 2016/05 IRAP, Infectious Diseases, Reproductive Health, Asthma and Pulmonary Conditions Study Section, Feb 11 – 12, 2016, Rockville, MD.
82. Chair, Special Emphasis Panel “ZRG1 DKUS-P(91)S: Microbiome and Related Sciences”, March 7, 2016, Bethesda, MD.

BIBLIOGRAPHY

I. Original Communications in Reviewed Journals:

1. Deisseroth, A., Burk, R., Picciano, D., Minna, J., Anderson, W. F., and Nienhuis, A. Hemoglobin synthesis in somatic cell hybrids: Between mouse erythroleukemia and human marrow cells or fibroblasts. *Proc. Natl. Acad. Sci.* 72:1102-1106, 1975.
2. Deisseroth, A., Velez, R., Burk, R., Minna, J., Anderson, W. F., and Nienhuis, A. Extinction of globin gene expression in human fibroblast X mouse erythroleukemia. *Somatic Cell Genetics* 2 (4):373-384, 1976.
3. Minna, J.D., Marshall, T.H., Brown, S.H., Burk, R.D., Lemons, R.S., and Wilson, S.H. Regulation of expression of type C virion DNA polymerase (reverse transcriptase) in human X mouse and human X rat hybrid cells. *Somatic Cell Genetics* 5 (6):991-1011, 1979.
4. Burk, R.D., Stamberg, J., Young, K.E., and Smith, K.D. Use of repetitive DNA for diagnosis of chromosomal rearrangements. *Hum. Genet.* 64:339-342, 1983.
5. Burk, R.D., Valle, D., Thomas, G., Miller, C., Moser, A., Moser, H., and Rosenbaum, K.N. Early manifestations of multiple sulfatase deficiency. *J. Pediatr.* 104:574-578, 1984.
6. Burk, R.D., Ma, P., and Smith, K.D. Characterization and evolution of a single-copy sequence from the human Y chromosome. *Mol. Cell. Biol.* 5:576-581, 1985.

7. Burk, R.D., Szabo, P., O'Brien, S., Nash, W.G., Yu, L. and Smith, K.D. Organization and chromosomal specificity of autosomal homologs of human Y-chromosome repeated DNA. *Chromosoma* 92:225-233, 1985.
8. Kadish, A.S., Burk, R.D., Kress, Y., Calderin, S. and Romney, S.L. Human papillomaviruses of different types in precancerous lesions of the uterine cervix: Histologic, immunocytochemical and ultrastructural studies. *Hum. Path.* 17:384-392, 1986.
9. Tur-Kaspa, R., Burk, R.D., Shaul, Y., and Shafritz, D.A. Hepatitis B virus contains a glucocorticoid responsive element. *Proc. Natl. Acad. Sci.* 83:1627-1631, 1986.
10. Burk, R.D., Kadish, A.S., Calderin S., and Romney, S.L. Human papillomavirus infection of the cervix detected by cervicovaginal lavage and molecular hybridization: Correlation with biopsy results and Papanicolau smear. *Am. J. Obstet. Gynecol.* 154:982-989, 1986. PMID: 3010725.
11. Anderson, L., Ritter, D.B., Kadish, A.S., Runowicz, C.D., and Burk, R.D. HPV 16 DNA detected in the peritoneal washings of patients with cervical carcinoma. *J. Inf. Dis.* 155:1349, 1987.
12. Beiss, B.K., Sundberg, J.P., Douglas, J.D., Burk, R.D., Ritter, D.B., and Kadish, A.S. Host immune responses to genital and laryngeal human papillomavirus infections. *Cancer Cells* 5:387-392, 1987.
13. El Awady, M.K., Kaplan, J.B., O'Brien, S., and Burk, R.D. Molecular analysis of integrated human papillomavirus 16 sequences in the cervical cancer cell line SiHa. *Virology* 159:389-398, 1987.
14. Burk, R.D., DeLoia, J.A., El Awady, M.K., and Gearhart, J.D. Tissue preferential expression of the Hepatitis B Virus surface gene in two lines of HBV transgenic mice. *J. Virol.* 62:649-654, 1988.
15. Lee, N.L., Ritter, D.B., Gross, A.E., Myssiorek, D.J., Kadish, A.S., Burk, R.D. Head and neck squamous cell carcinomas associated with human papillomaviruses and an increased incidence of cervical pathology. *Otolaryngol. Head Neck Surg.* 99:296-301, 1988.
16. Raimondo, G., Burk, R.D., Lieberman, H.M., Muschel, J., Hadziyannis, S.J., Will, H., Kew, M.C., Dusheiko, G.M., and Shafritz, D.A. Interrupted replication of hepatitis B virus in liver tissue of HBsAg carriers with hepatocellular carcinoma. *Virology* 166:103-112, 1988.
17. Tur-Kaspa, R., Shaul, Y., Moore, D.D., Burk, R.D., Okret, S., Poellinger, L., and Shafritz, D.A. The glucocorticoid receptor recognizes a specific nucleotide sequence in hepatitis B virus DNA. *Virology* 167:630-633, 1988.

18. Ritter, D.B., Kadish, A.S., Vermund, S.H., Romney, S.L., Villari, D., and Burk, R.D. Detection of human papillomavirus deoxyribonucleic acid in exfoliated cervicovaginal cells as a predictor of cervical neoplasia in a high risk population. *Am. J. Obstet. Gynecol.* 159:1517-1525, 1988.
19. Vermund, S.H., Schiffman, M.H., Goldberg, G.L., Ritter, D.B., Weltman, A. and Burk, R.D. Molecular diagnosis of genital human papillomavirus infection: Comparison of two methods used to collect exfoliated cervical cells. *Am. J. Obstet. Gynecol.* 160:304-308, 1989.
20. Brandsma, J., Burk, R.D., Lancaster, W.D., Pfister, H. and Schiffman, M.H. Interlaboratory variation as an explanation for varying prevalence estimates of human papillomavirus infection. *Int. J. Cancer* 43:260-262, 1989.
21. DeLoia, J.A., Burk, R.D. and Gearhart, J.D. Developmental regulation of HBsAg expression in two lines of HBV transgenic mice. *J. Virol.* 63:4069-4073, 1989.
22. El-Ghor, M.A.A. and Burk, R.D. DNase I hypersensitive site maps to the HBV enhancer. *Virology* 172:478-488, 1989.
23. Rosenfeld, W.D., Vermund, S.H., Wentz, S.J. and Burk, R.D. High prevalence of human papillomavirus infection and association with abnormal Papanicolaou smears in sexually active adolescents. *Am. J. Dis. Child.* 143:1443-1447, 1989.
24. Goldberg, G.L., Vermund, S.H., Schiffman, M.H., Ritter, D.B., Spitzer, C., and Burk, R.D. Comparison of cytobrush and cervicovaginal lavage sampling methods for the detection of genital human papillomavirus. *Am. J. Obstet. Gynecol.* 161:1669-1672, 1989.
25. Burk, R.D. and Spitzer, C. Genetic screening using exfoliated cervicovaginal cells collected by a non-invasive lavage technique performed during routine gynecologic cancer screening. *Am. J. Obstet. Gynecol.* 162:652-654, 1990. PMID: 2316565.
26. Goeser, T., Nakata, R., Braly, L.F., Sosiak, A., Dermietzel, R., Novikoff, P.M., Stockert, R.J., Burk, R.D., and Wolkoff, A.W. The rat hepatocyte plasma membrane organic anion binding protein is homologous to the mitochondrial F₁-ATPase β -subunit. *J. Clin. Invest.* 86:220-227, 1990.
27. Feingold, A.R., Vermund, S.H., Burk, R.D., Kelley, K.F., Schragar, L.K., Schreiber, K., Munk, G., Friedland, G.H., and Klein, R.S. Cervical cytologic abnormalities and papillomavirus in women infected with human immunodeficiency virus. *J. AIDS* 3:896-903, 1990.
28. Gupta, S., Chowdhury, N.R., Jagtiani, R., Gustin, K., Shafritz, D.A., Chowdhury, J.R., and Burk, R.D. A novel system for transplantation of isolated hepatocytes utilizing HBsAg producing transgenic donor cells. *Transplantation* 50:472-475, 1990.

29. Basu, J., Palan, P.R., Vermund, S.H., Goldberg, G., Burk, R.D., and Romney, S.L. Plasma ascorbic acid and B-carotene levels in women evaluated for HPV infection, smoking, and cervix dysplasia. *CRC Cancer Detection and Prevention* 15:165-170, 1991.
30. Vermund, S.H., Kelley, K.F., Klein, R.S., Feingold, A.R., Schreiber, K., Munk, G., Burk, R.D. High risk of human papillomavirus infection and cervical squamous intraepithelial lesions among women with symptomatic human immunodeficiency virus infection. *Am. J. Obstet. Gynecol.* 165:392-400, 1991.
31. Gupta, S., Aragona, E., Vemuru, R.P., Bhargava, K., Burk, R.D., and Chowdhury, J.R. Permanent engraftment and function of hepatocytes delivered to the liver: implications for gene therapy and liver repopulation. *Hepatology* 14:144-149, 1991.
32. Morrison, E.A.B., Ho, G.Y.F., Vermund, S.H., Goldberg, G.L., Kadish, A.S., Kelley, K.F. and Burk, R.D. Human papillomavirus infection and other risk factors for cervical neoplasia: a case-control study. *Int. J. Cancer* 49:6-13, 1991.
33. Beiss, B.K., Heimer, E., Felix, A., Burk, R.D., Ritter, D.B., Mallon, R.H., and Kadish, A.S. Type-specific and cross-reactive epitopes in human papillomavirus type 16 capsid proteins. *Virology* 184:460-464, 1991.
34. Bickell, N., Vermund, S., Holmes, M., Safyer, S., and Burk, R.D. Human papillomavirus, gonorrhoea, syphilis, and cervical dysplasia in jailed women. *Am. J. Public Health* 81:1318-1320, 1991. PMID: 1928533.
35. Fisher, M., Rosenfeld, W.D., and Burk, R.D. Cervicovaginal human papillomavirus infection in suburban female adolescents. *J. Pediatr.* 119:821-825, 1991.
36. Burk, R.D., Fisher, M., and Rosenfeld, W.D. Cervicovaginal human papillomavirus infection in adolescents and young adults, Reply. *J. Pediatr.* 120:837-838, 1992.
37. Van Ranst, M., Tachezy, R., Pruss, J. and Burk, R.D. Primary structure of the E6 protein of *Micromys minutus* papillomavirus and *Mastomys natalensis* papillomavirus. *Nucleic Acids Res.* 20:2889, 1992.
38. Kaelbling, M., Burk, R.D., Atkin, N.B. and Klinger, H.P. Loss of heterozygosity in the region of the TP53 gene on chromosome 17p in HPV-negative human cervical carcinomas. *Lancet* 340: 140-142, 1992.
39. Vemuru, R.P., Davidson, A., Yerneni, P.R., Chowdhury, J.R., Burk, R.D. and Gupta, S. Immune tolerance to a defined heterologous antigen following intrasplenic hepatocyte transplantation: Implications for human gene therapy. *FASEB J.* 6:2836-2842, 1992.
40. Morrison, E.A.B., Goldberg, G.L., Hagan, R.J., Kadish, A.S. and Burk, R.D. Self-administered home cervicovaginal lavage: A novel tool for the

- clinical/epidemiological investigation of genital human papillomavirus infections. *Am. J. Obstet. Gynecol.* 167:104-107, 1992.
41. Rosenfeld, W.D., Rose, E., Vermund, S.H., Schreiber, K. and Burk, R.D. Follow-up evaluation of human papillomavirus infection in adolescents. *J. Pediatr.* 121:307-311, 1992.
 42. Burk, R.D., Ho, G.Y.F., Kadish, A.S., Morrison, E.A.B., Goldberg, G.L., and Vermund, S.H. Human papillomavirus infection and other risk factors for cervical neoplasia, Reply. *Int. J. Cancer* 52:166-167, 1992.
 43. Morrison, E.A.B., Goldberg, G.L., Kadish, A.S. and Burk, R.D. Polymerase chain reaction detection of human papillomavirus: Quantitation may improve clinical utility. *J. Clin. Microbiol.* 30:2539-2543, 1992.
 44. Van Ranst, M., Kaplan, J.B. and Burk, R.D. Phylogenetic classification of human papillomaviruses: Correlation with clinical manifestations. *J. Gen. Virol.* 73:2653-2660, 1992.
 45. Van Ranst, M., Fuse, A., Fiten, P., Beuken, E., Pfister, H., Burk, R.D. and Opdenakker, G. Human papillomavirus type 13 and Pygmy Chimpanzee papillomavirus type 1: Comparison of the genome organizations. *Virology* 190:587-596, 1992.
 46. Kadish, A.S., Hagan, R.J., Ritter, D.B., Goldberg, G.L., Romney, S.L., Kanetsky, P.A., Beiss, B.K. and Burk, R.D. Biologic Characteristics of specific human papillomavirus types predicted from morphology of cervical lesions. *Hum. Path.* 23:1262-1269, 1992.
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24. Van Doorslaer, K. and Burk, R.D. Evolution of human papillomavirus carcinogenicity. *Adv. Virus Res.* 77:41-62, 2010. PMID: 20951869; PMCID: PMC3690501.
25. Bernard, H.-U., Burk, R.D., de Villiers, E.-M and zur Hausen, H. *Papillomaviridae*. In: King, A.M.Q., Adams, M.J., Carstens, E.B. and Lefkowitz, E.J., editors. *Virus taxonomy: classification and nomenclature of viruses: Ninth Report of the International Committee on Taxonomy of Viruses*. San Diego: Elsevier Academic Press; 2011. p. 235-248.
26. Machado, F.S., Rodríguez, N.E., Adesse, D., Garzoni, L.R., Esper, L., Lisanti, M.P., Burk, R.D., Albanese, C., Van Doorslaer, K., Weiss, L.M., Nagajyothi, F., Nosanchuk, J.D., Wilson, M.E. and Tanowitz, H.B. Recent Developments in the Interactions between Caveolin and Pathogens. In *Caveolins and Caveolae: Roles in Signaling and Disease Mechanisms*, edited by Jean-Francois Jasmin, Philippe G. Frank and Michael P. Lisanti, 65-82. New York: Landes Bioscience and Springer Science+Business Media, 2012. *Adv. Exp. Med. Biol.* 729:65-82, 2012. PMID: 22411314; PMCID: PMC3564053.
27. Harari, A., Chen, Z. and Burk, R.D. Human papillomavirus genomics: past, present and future. *Curr. Probl. Dermatol.* 45:1-18, 2014. PubMed PMID: 24643174; PMCID: PMC4430864.
28. Chen, Z., Freitas, L.B. and Burk, R.D. Evolution and classification of oncogenic human papillomavirus types and variants associated with cervical cancer. *Methods Mol. Biol.* 1249:3-26, 2015. PMID: 25348294; PMCID: PMC4435683.

III. Patents

1. Dadachova, E., Casadevall, A., Strickler, H. and Burk, R.D.
Radioimmunotherapy and Imaging of Tumor Cells that express viral antigens.
Albert Einstein College of Medicine of Yeshiva University, Bronx, NY.
PCT/US2007025491 (Filed December 13, 2007).

IV. Invited Lectures

1. "Human Papillomavirus Infection of the Cervix",
Genetics Institute, Cambridge, MA, September 19, 1985.
2. "Human Hepatitis B Virus Transgenic Mice",
Merck, Sharp and Dohme Research Labs, West Point, PA, August 13, 1986.
3. "HBV Transgenic Mice: Expression and Regulation of HBsAg",
Studies of Viral Oncogenesis in Transgenic Mice, NCI Biologic Branch Workshops,
Bethesda, MD, January 9, 1987.
4. "Detection of Viral Nucleic Acids in the Liver: Implications of Advances in Molecular
Biology Techniques", Mechanisms and Management of Pediatric Hepatobiliary Disease,
Arlington, VA, February 29, 1988.
5. "Molecular detection of Human papillomavirus infection of the cervix and its relation to
cervical cancer", Lifecodes Corp., Valhalla, N.Y., March 9, 1988.
6. "Papillomavirus in Clinical Cancer", 5th annual, Advances in Cancer Treatment Research,
New York, NY, March 17, 1988.
7. "Role of HPV in Cervical Cancer", Life Technologies, Inc., Gaithersburg, M.D., 11/15/89.
8. "Current and Future Role of Human Papillomavirus Infection of the Female Genital Tract:
Basic Concepts Revised", New Directions in Gynecologic Oncology for the 1990's,
New York, NY, November 10, 1989.
9. "Host control of HBV gene product levels in the chronic surface antigenemic mouse model",
UCLA Colloquium: Animal Models of Human Viral Diseases: Relevance to Developmental
Therapeutics, Keystone, Colorado, March 31-April 5, 1990.
10. "Genetic regulation of HBV expression", Pediatric Research Seminar, Schneider Children's
Hospital, Long Island Jewish Medical Center, New Hyde Park, NY, October 18, 1990.
11. "Understanding DNA Technology", Problems and Solutions in the Management of Diseases
of the Lower Female Genital Tract, The American Society for Colposcopy and Cervical
Pathology, New York, NY, March 22-24, 1991.

12. "Epidemiology and Pathology of Genital HPV Infection", Cetus Corporation, Emeryville, Calif., June 6, 1991.
13. "Differences Between Exposure and Infection", Fifth International Conference on Human Papillomaviruses and Genital Carcinoma, Chicago, Ill., October 26-28, 1992.
14. "Gene regulation-What you think is not what you get. Lessons from studies on the HBV X and rat connexin32 promoters", Department of Molecular Genetics and Virology, The Weizmann Institute of Science, Rehovot, Israel, February 23, 1993.
15. "The natural history of cervicovaginal HPV infection", Faculty of Health Sciences, Ben Gurion University of the Negev, Beer Sheva, Israel, February 24, 1993.
16. "Human Papillomavirus is the Etiologic Agent of Cervix Cancer", 1993 EINSTEIN Cancer Center Retreat, Tarrytown, June 27, 1993.
17. "The Molecular Epidemiology of Human Papillomavirus Infection", Division of Infectious Disease, Department of Medicine and Department of Microbiology & Immunology, SUNY Downstate Medical College of Medicine, Brooklyn, NY February 7, 1995.
18. "Inherited cancer syndromes and human tumor suppressor genes: Lessons from rare pediatric diseases", Grand Rounds, Department of Pediatrics, NYU Medical Center and School of Medicine, NY, NY, March 21, 1995.
19. "Natural history and protective immunity to human papillomavirus infection.", 1995 EINSTEIN Cancer Center Retreat, Tarrytown, November 19-20, 1995.
20. "Molecular epidemiology of HPV, the causal agent of cervix cancer", Research Seminar, Dept. of Medicine, EINSTEIN, Dec. 12, 1995.
21. "Human Papillomavirus: Recent Developments", Grand Rounds, Department of Pediatrics, EINSTEIN, Jacobi campus, Feb. 14, 1996.
22. "Molecular Epidemiology of Genital HPV Infections", Basic Science Seminar Group, Long Island Jewish Medical Center, May 21, 1996.
23. "Natural history of cervicovaginal HPV infection: Applications towards vaccine trials", Merck Research Laboratories, July 9, 1996.
24. "Molecular Epidemiology of Genital HPV Infection in a Cohort of College Coeds: Men, Sex and Risks of Cervical Cancer", 14th Annual EINSTEIN Pediatric Research Day, Oct. 9, 1996.
25. "Recent advances in cancer genetics", Grand Rounds, Department of Pediatrics, Maimonides Hospital, Brooklyn, NY, November 18, 1996.

26. “Molecular Epidemiology of HPV infection in adolescents and young women”, Children’s Hospital Medical Center, Cincinnati, Ohio, December 19, 1996.
27. “Human Papillomavirus and Cervical Cancer”, Workshop on Infectious Pathogens as Etiologic Agents of Cancer, 33rd Joint Committee Meeting of the U.S.-Japan Cooperative Medical Science Program, NIH, Bethesda, MD, July 16, 1997.
28. “Inherited Basis of Prostate Cancer”, EINSTEIN Department of Urology Grand Rounds, November 17, 1997.
29. "Human papillomavirus types: cancer, immunocompetency and speciation", EINSTEIN Cancer Research Center evening seminar series, November 17, 1997.
30. “Pathway(s) leading to cervix cancer: role of human papillomavirus”, Cancer Seminar, Manhattan Institute for Cancer Research, Columbia University Medical Center, NY, February 5, 1998.
31. “Molecular markers of disease: human papillomavirus infection”, Internal Faculty Seminar, EINSTEIN, February 19, 1998.
32. “Cancer genetics and tumor suppressor genes: studies on VHL”, Grand Rounds, Department of Pediatrics, EINSTEIN, July 29, 1998.
33. “Hereditary Prostate Cancer”, Department of Urology, Beth Israel Medical Center, New York, August, 13, 1998.
34. “Papillomaviruses”, STD-DNA database workshop, NIAID, Sante Fe, NM, September 16, 1998.
35. “Overview of PCR methods and viral heterogeneity”, 17th International Papillomavirus conference, Charleston, SC, January 9 - 15, 1999.
36. “Prostate cancer in Jews: finding the genes”, Genomic Views on Jewish History, 2nd International Symposium in memory of Richard M. Goodman, Judean Hills, Israel, May 30 – June 2, 1999.
37. “Biology of the von Hippel-Lindau gene product”, Sixth International Patient/Provider Conference on von Hippel-Lindau, Atlanta, GA, June 4 –6, 1999.
38. “Pernicious Papillomavirus Infection: Carriage, Persistence, and Malignant Transformation”, Role of Human Papillomavirus in Cervical Neoplasia: Clinical Implications Conference, Ass. Of Reproductive Health Professionals, Chicago, IL April 28-29, 2000.
39. “VHL induces renal cell differentiation and growth arrest through integration of cell-cell and cell-extracellular matrix signaling”, Department of Urology, EINSTEIN, June 11, 2001.

40. “Pernicious papillomavirus infection: What makes it pernicious?”
19th International Papillomavirus Conference, Florianopolis, Brazil, September 2 – 7, 2001.
41. “Selecting Populations for Research: The Ashkenazi Founder Population and Cancer Susceptibility Genes”, Genetics and Public Health Meeting, Columbia University, NY, September 25, 2001.
42. “Genetics of cervical oncogenesis”, 2002 Biennial Meeting, American Society for Colposcopy and Cervical Pathology (ASCCP), Orlando, FL, March 22, 2002.
43. “Human papillomavirus – agent of disease, model for evolutionary studies”, Dept. of Genetics, Rutgers University, Piscataway, NJ, June 12, 2002.
44. “HPV serology with a second-generation assay”, HPV Immunology Workshop, National Cancer Institute, Rockville, MD, June 29, 2002.
45. Summary Remarks, “Epidemiology and Diagnosis”, 20th International Papillomavirus Conference, Institut Pasteur, Paris, October 4 – 9, 2002.
46. CJ Valley Visiting Professor in Vaccine Research for 2003 Department of Pediatrics, University of Massachusetts Medical School, Worcester, MA, March 13 – 14, 2003.
47. “HPV Phylogeny, Variants and Evolution”, Women’s Interagency HIV Study (WIHS) Meeting, Herndon, VA, May 4 - 6, 2003.
48. “The CLAL Study: Cancer, Longevity, Ancestry and Lifestyle”, The Jewish Genome: Fact or Fancy, A Symposium In Celebration of the Investiture of Richard M. Joel as President of Yeshiva University, Bronx, NY, September 16, 2003.
49. Rapporteur, WHO technical workshop: International collaborative studies on HPV reagents for laboratory diagnostic procedures, Geneva, September 24-25, 2003.
50. “Genetic Risk Factors for Disease: Stud of Founder Mutations/Variants in a Large Population of Men”, Liver Research Center Seminar, EINSTEIN, December 3, 2003.
51. “HPV Genetic Types, Phylogeny and Evolution: Assays for Detection, Typing and Quantitation of HPV Immune Responses”, Pediatric ACTG Symposium, Pediatric AIDS Clinical Trials Group Meeting, Washington, D.C., December 8, 2003.
52. “Human papillomavirus genome project”, Internal Faculty Seminar, EINSTEIN, February 12, 2004.
53. “Papillomavirus for the pediatrician”, Pediatric Grand Round, Children’s Hospital of Montefiore (CHOM), Bronx, NY, March 3, 2004.

54. “Role of the von Hippel-Lindau Tumor Suppressor Gene in Cell Differentiation”, Weizmann Institute of Science, Meeting on Cellular Regulation in Health and Disease, Rehovot, Israel, May 9-13, 2004.
55. “Update on human papillomavirus: biology and vaccine trials”, Clinical Pathology Grant Rounds and Pathology Visiting Professor Lecture Series. Montefiore Medical Center. January, 2005.
56. “Adenomatous Polyposis Coli (APC) I1307K Allele and Risk of Colon Polyps & Cancer in a Case-Control Study of Prostate Cancer in Ashkenazi Jews”, Program in Epidemiology & Cancer Control, Einstein Cancer Center. March 2005.
57. “Natural History of Human Papillomavirus Cervical Infection”, Wyeth Research Labs, Pearl River, NY, February 8, 2005.
58. “Evolution and BioEpidemiology of HPV”, National Institute for Medical Research, Mill Hill, London, England, March 30, 2006.
59. “Human Papillomavirus: An Historical Review”, Autumn in New York 2006, “Women’s Health: A Global Perspective” In honor of Allan Rosenfield, MD; Department of Obstetrics & Gynecology and Women’s Health, Montefiore Medical Center, New York, NY, November 10-12, 2006.
60. “Evolution of HPV and Pathogenesis”, Division of Infectious Diseases, Department of Medicine, EINSTEIN, December 6, 2006.
61. “Functional Analysis of the von Hippel-Lindau Tumor Suppressor Gene”, Oncology Grand Rounds, Department of Oncology, Montefiore Medical Center, Bronx, NY, March 29, 2007.
62. “VHL and Renal Epithelial Cell Differentiation”, Pediatric Renal Grand Rounds, Montefiore Medical Center, Bronx, NY, April 23, 2007.
63. “Human Papillomavirus – the Sexually Transmitted Agent Causing Cervical Cancer and Neoplasia: Impact of Molecular Medicine in the 21st Century. From Discovery to Vaccine Development”, Lehman College Biology Seminar, Bronx, NY, May 7, 2007.
64. “HPV and Cervix Neoplasia Screening - A Historical Review”, Grand Rounds, Department of Obstetrics & Gynecology, St. Luke's-Roosevelt Hospital Center, New York, NY, May 8, 2007.
65. “Human papillomavirus genomes, cervical neoplasia & the new HPV vaccine”, Vanderbilt Institute for Global health, Nashville, TN, July 21, 2008.
66. “Replicating polymers and cancer – story of human papillomavirus and cancer”, Polymer Research Institute, Polytechnic Institute of New York University, Brooklyn, NY, November 5, 2008.

67. “Papillomavirus Nomenclature”, 26th International Papillomavirus Meeting, Montreal, Canada, July 4 – 8, 2010.
68. “Human papillomavirus: the sexually transmitted agent causing cervical cancer”, Biology Seminar Series, Fairleigh Dickinson University, Hackensack, NJ, 2 December 2010.
69. “Human Papillomavirus Genomics: Evolution, Biology and Epidemiology”, New York University Cancer Institute, New York, NY, 16 February 2011.
70. “Natural History of Cervicovaginal Papillomavirus Infection in Young Women”, 6th Annual Women’s Research Day, Wake Forest University Medical Center, Winston-Salem, NC, 5 April 2011.
71. “Characterization of oncogenic HPV CpG methylation: a new biomarker of advanced neoplasia”, AECC Advances Meeting, New Rochelle, NY, 15 June 2011.
72. “What makes human papillomavirus (HPV) cause cancer and Why some people really sweat – it’s all in the DNA”, Functional Genomics and Systems Biology, IBM Computational Biology Center, Yorktown Heights, NY, 3 August 2011.
73. “Translating the HPV genome into prevention, screening and treatment of cervix cancer”, Department of Microbiology & Immunology, The Pennsylvania State University College of Medicine, Hershey, PA, 4 November 2011.
74. “Classification and nomenclature system for human *Alphapapillomavirus* variants. General features, nucleotide landmarks and assignment of HPV6 and HPV11 isolates to variant lineages”, 42nd Professor Janez Plecnik Memorial Meeting: Human Papillomavirus (HPV) Related Tumors. Faculty of Medicine, University of Ljubljana, Ljubljana, Slovenia, 1-2 December 2011.
75. “Evolution and natural history of oncogenic papillomaviruses”, Fall 2012 Biological Colloquium, Fordham University, Bronx, NY, 17 October 2012.
76. “Papillomavirus Genomics and Taxonomy”, 28th International Papillomavirus Meeting, San Juan, Puerto Rico, December 3, 2012.
77. “Microbiome and the revolution in analyses allowing evolution of our thinking about host and microbiome”, Division of GI and Liver Diseases Grand Rounds, Einstein/MMC, 14, March 2013.
78. “Medical Education”, Dagstuhl Perspectives Workshop: Information and Communication Technology Strategies for Bridging Biology and Precision Medicine, Wadern, Germany, August 18 – 23, 2013.

79. “The Microbiome in Health and Disease”, Department of Epidemiology & Population Health Seminar Series, Einstein, Bronx, NY, May 21, 2013.
80. “Genital papillomaviruses and lesions in macaques”, Biomedical Research using Mauritian macaques, Madison, WI, May 13, 2014.
81. “HPV variant analysis of TCGA CECS samples”, TCGA cervical carcinoma data analysis workshop, MD Anderson, Houston, TX, July 23-24, 2014.
82. “Pathogenesis and Evolution of Oncogenic Human Papillomavirus”, Tropical Medicine Foundation of Amazonas, Universidade do Estado do Amazonas, Manaus, Brazil, October 23, 2014.
83. “Human Papillomavirus and Cancer, Viral Genomics, Evolution and Pathogenesis in Humans”, Weizmann Institute of Science, Rehovot, Israel, February 10, 2015.
84. "Human Papillomavirus and Cancer, Genetics of the Virus Dictate Molecular Pathogenesis in Humans", Rappaport Institute of Research, the Rappaport Faculty of Medicine, Haifa, Israel, February 11, 2015.
85. "Inherited Risk Factors for Prostate Cancer in Men of Ashkenazi Descent", Clinical Research Institute at Rambam, Rambam Health Care Campus, Haifa, Israel, February 11, 2015.
86. “Human Papillomavirus Genomics”, Metagenomics & Infectious Diseases working group lecture, New York Genome Center, NY, NY, March 12, 2015.
87. “The cervicovaginal microbiome for the generalist: clinical implications, methods, molecules and the revolution of next-generation sequencing”, Congress of the Brazilian Society of STDs and AIDS, Sao Paulo, Brazil, 17 – 20 May 2015.
88. “Sexually transmitted human papillomaviruses, viral genomics, evolution and pathogenesis in humans”, *ibid.*
89. “Next-Gen sequencing assays for HPV detection and typing-application to prospective study of oral HPV and incident head and neck cancer”, Cancer Institute of the School of Medicine of the University of Sao Paulo (ICESP/University), Brazil, 20 May 2015.
90. “What’s new in papillomavirus taxonomy: updates, issues and future directions”, Satellite Workshop 11: Papillomavirus Nomenclature and Taxonomy Workshop, HPV20115, 30th International Papillomavirus Conference, Lisbon, Portugal, September 17-21, 2015.
91. “Human Papillomavirus”, Pediatric Grand Rounds, Department of Pediatrics, Robert Wood Johnson Medical School, Rutgers, The State University of New Jersey, New Brunswick, NJ, October 22, 2015.

92. “CpG methylation of HPV16 and other HR-HPV and the association with cervical neoplasia”, 15th International Conference on Malignancies in AIDS and Other Acquired Immunodeficiencies, Lister Hill Auditorium, NIH, Bethesda, MD October 26-27, 2015.

V. Media Appearances

1. TV: NBC News - Human Papillomavirus Infection, Nov. 24, 1996.
2. TV: WNYW-TV (FOX), WCBS-TV, WWOR-TV (Frank Field) - Human Papillomavirus infection in college women. February 11 - 13, 1998.
3. TV: WNY-TV (FOX), Good Day New York (Jim Ryan), Human Papillomavirus infection in college women. February 12, 1998.
4. Radio - National Radio Shows (e.g., PBS, WINS, NBC, CBS). Human Papillomavirus infection in college women. February 11 - 13, 1998.

VI. Community Presentations

1. “Why Geneticists Study Jews”, Jews and Genetic Disease: A conference on medical, ethical and legal implications of genetic research. Philadelphia, PA, December 7, 1997.
2. “Understanding Genetics in the Jewish People”, UJA-Federation of New York, New York, NY, May 7, 1998.
3. “Jewish Genetics for Jewish Genealogists”, Jewish Genealogical Society, New York, NY, May 17, 1998.
4. “Genetic Discovery: A Religious Dilemma”, The Young Physicians & Allied Healthcare Division of UJA-Federation of New York, New York, NY, May 19, 1998.
5. “The Ethics, Science and Psycho-Social Issues of Gene Therapy”, Hadassah National Convention, Associates Program, Washington, D.C., July 28, 1999.
6. “Ancestors, Relatives, Genes and Jews”, 19th Annual Conference on Jewish Genealogy, New York, NY, August 8 – 13, 1999.
7. “What geneticists can do for genealogists and what genealogists can do for geneticists”, panel discussion group, *ibid.*
8. “Ancestors, Relatives, Genes and Jews”, Jewish Genealogical Society, New York, NY, March 19, 2000.

9. “Genetics of Breast Cancer”, Breast Cancer Support Group of Scarsdale / Breast Health for the ACS, Scarsdale, NY, April 11, 2000.
10. “Breast and Ovarian Cancer in the Jewish Community”, Westchester Reform Temple, Scarsdale, NY, May 7, 2000.
11. “Your family history matters: Breast and colon cancer genetics”, Women At Risk lecture series. White Plains Hospital Center, White Plains, NY, April 19, 2001.
12. It’s in the Genes Program, Hadassah Women’s Health, Hadassah Westchester Region, JCC of Westchester, NY, November 4, 2001.
13. “Genetic Testing”, The auxiliaries of White Plains Hospital Center, A women’s health symposium: Living with Uncertainty. White Plains, NY, April 9, 2002.
14. “Modern Medical Decisions”, Young Leadership Dinner, Jewish Center, New York, NY, February 29, 2008.
15. Science Bulletin Video, American Museum of Natural History. HPV: Treating Cancer Caused by Viruses, Learning how viruses cause cancer is key to prevention and treatment. <http://www.amnh.org/sciencebulletins/> (see Human Feature).
16. Evolutionary Biology and Human Health, panel discussion, American Museum of Natural History, June 9, 2010. (<http://www.amnh.org/news/2010/06/museum-links-evolutionary-biology-and-human-health/>).